

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 16459-010001 | Application No. 10/724,029 |
| Information Disclosure Statement by Applicant <small>(Use several sheets if necessary)</small> <small>37 CFR 1.98(b))</small> | | Applicant Alexei A. Erchak et al. | |
| | | Filing Date November 26, 2003 | Group Art Unit 2879 |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|-------------------|----------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| <i>m</i> | AA | 5,834,331 | November 10, 1998 | Razeghi | | | |
| <i>M</i> | AB | 6,426,515 | July 30, 2002 | Ishikawa | | | |
| <i>MV</i> | AC | 2003/0222263 | December 4, 2003 | Choi | | | |
| <u>Duplicate</u> | AD | 6,091,085 | July 18, 2000 | Lester | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation Yes No |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |
| | AO | | | | | | |
| | AP | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|----------|
| Examiner Initial | Desig. ID | Document |
| | AQ | |
| | AR | |
| | AS | |
| | AT | |

| | |
|--|----------------------------------|
| Examiner Signature <i>Erchak</i> | Date Considered <i>8/1/05</i> |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 16459-010001 | Application No. 10/724,029 |
| Information Disclosure Statement By Applicant <small>(Use several sheets if necessary)</small> <small>(37 CFR §1.98(b))</small> | | Applicant Alexei A. Erchak et al. | |
| | | Filing Date November 26, 2003 | Group Art Unit 2879 |

MAR 18 2005

PATENT & TRADEMARK OFFICE

U.S. Patent Documents

| Examiner Initial | Desig. ID | Publication Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|--------------------|------------------|-------------------------|-------|----------|----------------------------|
| MA | AA | 6,831,302 | 12/14/04 | Erchak et al. | | | |
| | AB | 6,504,180 | 1/7/03 | Heremans, et al. | | | |
| | AC | 6,690,268 | 2/10/04 | Schofield, et al. | | | |
| | AD | 6,642,618 | 11/4/03 | Yagi, et al. | | | |
| | AE | 6,784,027 | 8/31/04 | Streubel, et al. | | | |
| | AF | 6,847,057 | 1/25/05 | Gardner, et al. | | | |
| | AG | 6,072,628 | 6/6/00 | Sarayeddine | | | |
| | AH | 6,122,103 | 9/19/00 | Perkins, et al. | | | |
| | AI | 6,288,840 | 9/11/01 | Perkins, et al. | | | |
| ✓ | AJ | 6,574,383 | 6/3/03 | Erchak, et al. | | | |
| DUPLICATE | AK | 6,504,180 | 1/7/03 | Heremans, et al. | | | |
| ✓ | AL | 6,690,268 | 2/10/04 | Schofield, et al. | | | |
| MA | AM | 5,162,878 | 11/10/92 | Sasagawa, et al. | | | |
| | AN | 6,828,597 | 12/07/04 | Wegleiter, et al. | | | |
| | AO | 5,814,839 | 9/29/98 | Hosoba | | | |
| | AP | 5,491,350 | 2/13/96 | Unno, et al. | | | |
| | AQ | 6,303,405 | 10/16/01 | Yoshida, et al. | | | |
| | AR | 2002/0110172 | 8/15/02 | Hasnain, Ghulam, et al. | | | |
| | AS | 6,222,207 | 4/24/01 | Carter-Coman, et al. | | | |
| | AT | 6,593,160 | 7/15/03 | Carter-Coman, et al. | | | |
| | AU | 6,573,537 | 6/3/03 | Steigerwald, et al. | | | |
| | AV | 6,465,808 | 10/15/02 | Lin | | | |
| | AW | 2003-0143772 | 7/31/03 | Chen, Tzer-Perng | | | |
| | AX | 6,762,069 | 7/13/04 | Huang, et al. | | | |
| | AY | 6,649,437 | 11/18/03 | Yang, et al. | | | |
| | AZ | 6,740,906 | 5/25/04 | Slater, Jr., et al. | | | |
| ✓ | AAA | 6,791,119 | 9/14/04 | Slater, Jr., et al. | | | |

Examiner Signature

Date Considered

8/16/05

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 16459-010001 | Application No. 10/724,029 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | Applicant Alexei A. Erchak et al. | |
| (37 CFR §1.98(b)) | | Filing Date November 26, 2003 | Group Art Unit 2879 |

O P E
MAR 18 2005
PATENT & TRADEMARK OFFICE

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|----------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| <i>MS</i> | ABB | 6,794,684 | 9/21/04 | Slater, Jr., et al. | | | |
| <i>MS</i> | ACC | 6,825,502 | 11/30/04 | Okazaki, et al. | | | |
| <i>MS</i> | ADD | 2004-0182914 | 9/23/04 | Venugopalan, Hari S. | | | |
| <i>MS</i> | AEE | 2005-0019971 | 1/27/05 | Slater, David B. Jr. | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |
| | | | | | | | Yes No |
| <i>MS</i> | AFF | 02/071450 A2 | | WO | | | |
| | AGG | | | | | | |
| | AHH | | | | | | |
| | AII | | | | | | |
| | AJJ | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|--|
| Examiner Initial | Desig. ID | Document |
| <i>MS</i> | AKK | Wendt et al. "Nanofabrication of photonic lattice structures in GaAs/AlGaAs," J. Vac. Sci. Technol. B 11 (6), Nov/Dec 1993, pages 2637-2640 |
| <i>MS</i> | ALL | Gourley et al. "Optical properties of two-dimensional photonic lattices fabricated as honeycomb nanostructures in compound semiconductors," Appl. Phys. Lett. 64 (6), 7 February 1994, pages 687-689 |
| | AMM | |
| | ANN | |

| | |
|--|----------------------------|
| Examiner Signature <i>MS</i> | Date Considered 8/11/05 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |



| | | | |
|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 16459-010001 | Application No. 10/724,029 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Alexei A. Erchak et al. | |
| | | Filing Date November 26, 2003 | Group Art Unit 2879 |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|-------------------|------------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | 5,126,231 | June 30, 1992 | Levy | | | |
| | AB | 6,778,746 | August 17, 2004 | Charlton, et al. | | | |
| | AC | 6,742,907 | June 1, 2004 | Funamoto, et al. | | | |
| | AD | 2004/0110856 | June 10, 2004 | Young, Jung Gun et al. | | | |
| | AE | 2004/0144985 | July 29, 2004 | Zhang, Zhibo, et al. | | | |
| | AF | 2004/0207319 | October 21, 2004 | Erchak et al. | | | |
| | AG | 2004/0207323 | October 21, 2004 | Erchak et al. | | | |
| | AH | 2004-0206962 | October 21, 2004 | Erchak et al. | | | |
| | AI | 2004-0206971 | October 21, 2004 | Erchak et al. | | | |
| | AJ | 2004-0207320 | October 21, 2004 | Erchak | | | |
| | AK | 2004-0259279 | December 23, 2004 | Erchak et al. | | | |
| | AL | 2004-0259285 | December 23, 2004 | Erchak et al. | | | |
| | AM | 2005/0051785 | March 10, 2005 | Erchak et al. | | | |
| | AN | 2005/0051787 | March 10, 2005 | Erchak et al. | | | |
| | AO | 2005/0087757 | April 28, 2005 | Erchak et al. | | | |
| | AP | 2005-0040424 | February 24, 2005 | Erchak et al. | | | |
| | AQ | 2005-0059178 | March 17, 2005 | Erchak et al. | | | |
| | AR | 2005-0059179 | March 17, 2005 | Erchak et al. | | | |
| | AS | 2005-0087754 | April 28, 2005 | Erchak | | | |
| | AT | 2005-0127375 | June 16, 2005 | Erchak et al. | | | |
| | AU | 3,293,513 | August 8, 1962 | J.R. Biard et al. | | | |
| | AV | 3,922,706 | November 25, 1975 | Kaiser | | | |
| W | AW | 4,864,370 | September 5, 1989 | Gaw et al. | | | |

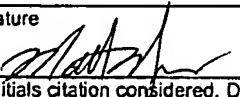
| | |
|--|-----------------|
| Examiner Signature | Date Considered |
| | 8/10/05 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | | |
|---|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 16459-010001 | Application No. 10/724,029 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Alexei A. Erchak et al. | | |
| | | Filing Date November 26, 2003 | Group Art Unit 2879 | |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|--------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| <i>Duplicate</i> | AX | 5,126,231 | June 30, 1992 | Levy | | | |
| " | AY | 6,071,795 | June 6, 2000 | Cheung et al. | | | |
| " | AZ | 6,778,746 | August 17, 2004 | Charlton, et al. | | | |
| <i>ML</i> | AAA | 6,849,558 | February 1, 2005 | Schaper | | | |
| <i>ML</i> | ABB | 6,307,218 | October 23, 2001 | Steigerwald et al. | | | |
| <i>ML</i> | ACC | 5,600,483 | February 4, 1997 | Fan et al. | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |
| | | | | | | | Yes No |
| | ADD | | | | | | |
| | AEE | | | | | | |
| | AFF | | | | | | |
| | AGG | | | | | | |
| | AHH | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|----------|
| Examiner Initial | Desig. ID | Document |
| | AII | |
| | AJJ | |
| | AKK | |
| | ALL | |

| | |
|--|----------------------------|
| Examiner Signature  | Date Considered 8/10/05 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |